

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 01/05/2021 09:55 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 91417 **Expiration Date:** 03/31/2021
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124470	-1	2.41	124530	2.44
Blue	F	SSC	125000	124846	-1	3.42	125774	3.44
Blue	E	FITC	14203	13834	-3	2.81	299	15.17
Blue	D	PE	25703	25490	-1	2.42	553	10.83
Blue	B	PerCP-Cy5-5	42104	41335	-2	3.28	924	15.21
Blue	A	PE-Cy7	34646	34529	-1	4.60	490	29.90
Red	C	APC	49824	49133	-2	2.75	1506	11.22
Red	A	APC-Cy7	39773	38730	-3	2.73	722	11.70
Violet	B	V450	7447	7130	-5	3.78	393	12.64
Violet	A	V500	31193	30024	-4	3.53	679	9.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21948	2.64	558	2	N/A	N/A	Pass
Blue	F	SSC	54485	2.95	516	4	N/A	N/A	Pass
Blue	E	FITC	55	51.89	489	3	0.0405	68	Pass
Blue	D	PE	110	37.53	491	6	0.3267	207	Pass
Blue	B	PerCP-Cy5-5	174	36.77	584	7	0.0175	19	Pass
Blue	A	PE-Cy7	110	67.56	629	9	0.0216	11	Pass
Red	C	APC	349	23.70	567	0	0.0287	101	Pass
Red	A	APC-Cy7	199	24.71	544	0	0.0063	720	Pass
Violet	B	V450	88	39.20	450	1	0.0432	1130	Pass
Violet	A	V500	120	28.66	468	1	0.0260	679	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.83	-31.64	1.02
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	20.16	15.99 - 23.99	N/A	N/A	30.13	30.19	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9952

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments